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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Applicati n Number	09/739,580
				Filing Dat	12/15/00
				First Named Invent r	Steven Teig
				Group Art Unit	2825
				Examiner Name	
Sheet	1	of	7	Attorney Docket Number	SPLX.P0015

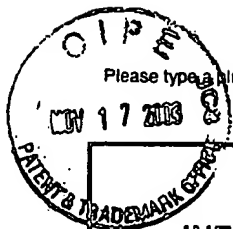
U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No. ¹	U.S. Patent Document		Date of Publication MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (If known)			
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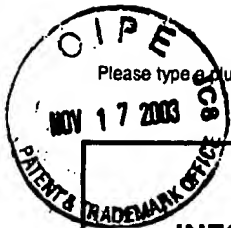
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		Office ³	Number ⁴					
M	45.	JP	411296560	A	Matsumoto et al.	10-29-1999	with English translation of Abstract;	
	46.	JP	2000-82743	A	Igarashi et al.	03-21-2000	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓
	47.	JP	H03-173471	A	Tawada et al.	07-26-1991	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓
	48.	JP	H05-243379	A	Masako Kubota	09-21-1993	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓
	49.	JP	H05-102305	A	Akihiro Sato	04-23-1993	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓

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Sheet	4	of	7	Attorney Docket Number	SPLX.P0015

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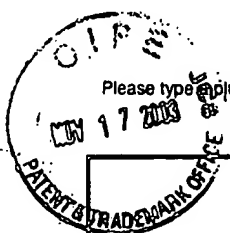
FOREIGN PATENT DOCUMENTS				
NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
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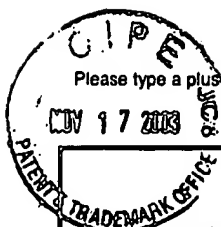
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

1

of

4

Application Number

09/739,580

Filing Date

12/15/00

First Named Inventor

Steven Teig

Group Art Unit

2825

Examiner Name

Attorney Docket Number

SPLX.P0015

RELATED U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document Number	Date of filing MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Related Application Data
W	1. ✓	2002/0100007	12-06-2200	Steven Teig et al.	Parent application; present application is a continuation of 2002/0100007.
	2. ✓	2002/0133798	12-06-2000	Steven Teig et al.	Application regarding related placement technology.
	3. ✓	2002/0073390 S/N 09/737,210	12-13-2000	Steven Teig et al.	Continuation of 2002/0133798.
	4. ✓	Preliminary Amendment S/N 09/737,210	12-13-2000	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2002/0073390 does not accurately reflect the claims of S/N 09/737,210.
	5. ✓	S/N 09/737,220	12-13-2000	Steven Teig et al.	Continuation of 2002/0133798.
	6. ✓	S/N 09/737,245	12-13-2000	Steven Teig et al.	Continuation of 2002/0133798.
	7. ✓	S/N 09/739,460	12-15-2000	Steven Teig et al.	Continuation of parent 2002/0100007
	8. ✓	S/N 09/739,589	12-15-2000	Steven Teig et al.	Continuation of parent 2002/0100007.
	9. ✓	S/N 09/742,171	12-19-2000	Steven Teig et al.	Continuation of parent 2002/0100007.
	10. ✓	2003/0121015 S/N 09/745,067	12-19-2000	Steven Teig et al.	Continuation of parent 2002/0100007.
	11. ✓	Preliminary Amendment S/N 09/745,067	12-19-2000	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2003/0121015 does not accurately reflect the claims of S/N 09/745,067.
	12. ✓	2002/0069397	01-13-2002	Steven Teig et al.	CIP of parent 2002/0100007.
	13. ✓	2002/0170027	02-20-2002	Steven Teig et al.	CIP of parent 2002/0100007.
	14. ✓	2002/0157075	02-20-2002	Steven Teig et al.	CIP of parent 2002/0100007.
	15. ✓	2003/0088841 S/N 10/329,241	12-23-2002	Steven Teig et al.	CIP of 2002/0133798.
	16. ✓	Preliminary Amendment	12-23-2002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2003/0088841 does not

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12/20/01

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Substitute for form 1449A/PTO				Application Number	09/739,580
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Filing Date	12/15/00
				First Named Inventor	Steven Teig
				Group Art Unit	2825
				Examiner Name	
Sheet	2	of	4	Attorney Docket Number	SPLX.P0015

RELATED U.S. PATENT DOCUMENTS

		S/N 10/329,241				accurately reflect the claims of S/N 10/329,241.
	17.	2003/0079193	12-07-2001	Steven Teig et al.		Application regarding related routing technology.
	18.	2003/0018947	12-07-2001	Steven Teig et al.		Application regarding related routing technology.
	19.	2002/0147958	10-19-2001	Steven Teig et al.		Application regarding related routing technology.
	20.	2003/0063614	01-04-2002	Steven Teig et al.		Application regarding related routing technology.
	21.	2003/0064559	01-04-2002	Steven Teig et al.		Application regarding related routing technology.
	22.	2003/0063568	01-04-2002	Steven Teig et al.		Application regarding related routing technology.
	23.	2003/0101428 S/N 10/040,915	01-05-2002	Steven Teig et al.		Application regarding related routing technology.
	24.	Preliminary Amendment S/N 10/040,915	01-05-2002	Steven Teig et al.		This Preliminary Amendment is submitted as the publication 2003/0101428 does not accurately reflect the claims of S/N 10/040,915.
	25.	2002/0166105 S/N 10/040,948	01-05-2002	Steven Teig et al.		Application regarding related routing technology.
	26.	Preliminary Amendment S/N 10/040,948	01-05-2002	Steven Teig et al.		This Preliminary Amendment is submitted as the publication 2002/0166105 does not accurately reflect the claims of S/N 10/040,948.
	27.	2003/0023943 S/N 10/040,954	01-05-2002	Steven Teig et al.		Application regarding related routing technology.
	28.	Preliminary Amendment S/N 10/040,954	01-05-2002	Steven Teig et al.		This Preliminary Amendment is submitted as the publication 2003/0023943 does not accurately reflect the claims of S/N 10/040,954.
	29.	2003/0043827 S/N 10/040,953	01-05-2002	Steven Teig et al.		Application regarding related routing technology.

Examiner Signature		Date Considered	
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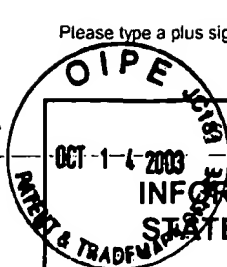
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Filing Date	12/15/00
				First Named Inventor	Steven Teig
				Group Art Unit	2825
				Examiner Name	
Sheet	3	of	4	Attorney Docket Number	SPLX.P0015

RELATED U.S. PATENT DOCUMENTS					
30.	Preliminary Amendment S/N 10/040,953	01-05-2002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2003/0043827 does not accurately reflect the claims of S/N 10/040,953.	
31.	2003/0066042 S/N 10/040,963	01-05-2002	Steven Teig et al.	Application regarding related routing technology.	
32.	Preliminary Amendment S/N 10/040,963	01-05-2002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2003/0066042 does not accurately reflect the claims of S/N 10/040,963.	
33.	2002/0174412 S/N 10/041,942	01-07-2002	Steven Teig et al.	Application regarding related routing technology.	
34.	Preliminary Amendment S/N 10/041,942	01-07-2002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2002/0174412 does not accurately reflect the claims of S/N 10/041,942.	
35.	2003/0088844 S/N 10/041,957	01-07-2002	Steven Teig et al.	Application regarding related routing technology.	
36.	Preliminary Amendment S/N 10/041,957	01-07-2002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2003/0088844 does not accurately reflect the claims of S/N 10/041,957.	
37.	2002/0199165 S/N 10/046,864	01-13-2002	Steven Teig et al.	Application regarding related routing technology. Also, CIP of parent application 2002/0100007.	
38.	Preliminary Amendment S/N 10/046,864	01-13-2002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2002/0199165 does not accurately reflect the claims of S/N 10/046,864.	
39.	2003/0066043	01-13-2002	Steven Teig et al.	Application regarding related routing technology.	
40.	2003/0115566	01-13-2002	Steven Teig	Application regarding related routing technology.	
41.	2003/0056187	01-14-2002	Steven Teig et al.	Application regarding related routing	

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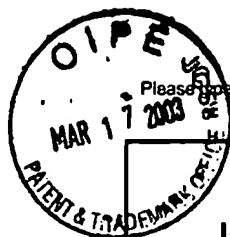
RELATED U.S. PATENT DOCUMENTS					
40		S/N 10/047,982			technology. Also, CIP of parent application 2002/0100007.
42		Preliminary Amendment S/N 10/047,982	01-14-002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2003/0056187 does not accurately reflect the claims of S/N 10/047,982.
43		2003/0066044	01-13-2002	Steven Teig et al.	Application regarding related routing technology.
44		2003/0066045	01-13-2002	Steven Teig et al.	Application regarding related routing technology.
45		2003/0088845 S/N 10/047,978	01-13-2002	Steven Teig et al.	Application regarding related routing technology. Also, CIP of parent application 2002/0100007.
46		Preliminary Amendment for S/N 10/047,978	01-13-2002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2003/0088845 does not accurately reflect the claims of S/N 10/047,978.

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	09/739,580
				Filing Date	12/15/00
				First Named Inventor	Steven Teig
				Group Art Unit	2825
				Examiner Name	
Sheet	1	of	3	Attorney Docket Number	SPLX.P0015

U.S. PATENTS RELATED TO THE PRESENT APPLICATIONS

Examiner Initials	Cite No. ¹	U.S. Patent Document Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication MM-DD-YYYY	Relation to Present Application
WJ	1.	6,516,455	B1	Teig, et al.	02-04-03	

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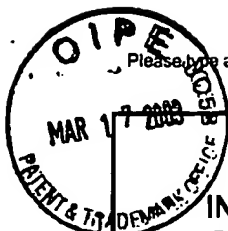
Examiner Initials	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
WJP	2.	2001/0003843	A1	Scepanovic et al.	06-14-01	
	3.	4,615,011		Linsker	09-30-86	
	4.	5,097,422		Corbin, II et al.	03-17-92	
	5.	5,532,934		Rostoker	07-12-96	
	6.	5,566,078		Ding et al.	10-15-96	
	7.	5,578,840		Scepanovic et al.	11-26-96	
	8.	5,634,093		Ashida et al.	05-27-97	
	9.	5,636,125		Rostoker et al.	06-03-97	
	10.	5,650,653		Rostoker et al.	07-22-97	
	11.	5,742,086		Rostoker et al.	04-21-98	
	12.	5,757,656		Hershberger et al.	05-26-98	
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	14.	5,811,863		Rostoker et al.	09-22-98	
	15.	5,822,214		Rostoker et al.	10-13-98	
	16.	5,859,449		Kobayashi et al.	01-12-99	
	17.	5,898,597		Scepanovic et al.	04-27-99	
	18.	5,914,887		Scepanovic et al.	06-22-99	
	19.	5,973,376		Rostoker et al.	10-26-99	
	20.	6,035,108		Kikuchi	03-07-00	
	21.	6,058,254		Scepanovic et al.	05-02-00	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet	2	of	3	Application Number	09/739,580
				Filing Date	12/15/00
				First Named Inventor	Steven Teig
				Group Art Unit	2825
				Examiner Name	
				Attorney Docket Number	SPLX.P0015

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22.	6,068,662		Scepanovic et al.	05-30-00	
23.	6,123,736		Pavisic et al.	09-26-00	
24.	6,134,702		Scepanovic et al.	10-17-00	
25.	6,155,725		Scepanovic et al.	12-05-00	
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27.	6,216,252	B1	Dangelo et al.	04-10-01	
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33.	6,289,495	B1	Raspopovic et al.	09-11-01	
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35.	6,385,758	B1	Kikuchi et al.	05-07-02	
36.	6,401,234	B1	Alpert et al.	06-04-02	
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FOREIGN PATENT DOCUMENTS

Examiner's Initials	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code (if known) ⁵				
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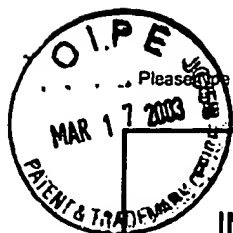
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				First Named Invent r	Steven Teig
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				Examiner Name	
Sheet	3	of	3	Attorney Docket Number	SPLX.P0015

NON PATENT LITERATURE DOCUMENTS					
Examiner* Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ⁶
JW	42.	A.H. Farrahi et al., Quality of EDA CAD Tools: Definitions, Metrics and Directions, Quality Electronic Design, 2000, Proceedings of the first International Symposium on March 2000, pp 395-405.			
	43.	C. Chiang, et al., Wirability of Knock-Knee Layouts with 45° Wires, IEEE Transactions on Circuits and Systems, Vol. 38, Issue 6, pp 613-624, June 1991.			
	44.	J. Su et al., Post-Route Optimization for Improved Yield Using Rubber-Band Wiring Model, 1997 International Conference on Computer-Aided Design, pp 700-706, November 1997.			
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